Accepted Manuscript

 ${\rm Bi}^{3+}$ -doped CH₃NH₃PbI₃: Red-shifting absorption edge and longer charge carrier lifetime

Ruiqi Wang, Xian Zhang, Jianqiao He, Cheng Ma, Li Xu, Peng Sheng, Fuqiang Huang

PII: S0925-8388(16)33593-9

DOI: 10.1016/j.jallcom.2016.11.125

Reference: JALCOM 39621

To appear in: Journal of Alloys and Compounds

Received Date: 27 June 2016

Revised Date: 7 November 2016

Accepted Date: 9 November 2016

Please cite this article as: R. Wang, X. Zhang, J. He, C. Ma, L. Xu, P. Sheng, F. Huang, Bi³⁺-doped CH₃NH₃PbI₃: Red-shifting absorption edge and longer charge carrier lifetime, *Journal of Alloys and Compounds* (2016), doi: 10.1016/j.jallcom.2016.11.125.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



Bi^{3+} -doped $CH_3NH_3PbI_3$: red-shifting absorption edge and longer charge carrier lifetime

Ruiqi Wang,[†] Xian Zhang,[†] Jianqiao He, [‡] Cheng Ma,[†] Li Xu,[§] Peng Sheng,[§] and Fuqiang Huang^{*, †, ‡}

[†] Beijing National Laboratory for Molecular Sciences and State Key Laboratory of Rare Earth Materials Chemistry and Applications, College of Chemistry and Molecular Engineering, Peking University, Beijing 100871, China.

[‡] CAS Key Laboratory of Materials for Energy Conversion and State Key Laboratory of High Performance Ceramics and Superfine Microstructure, Shanghai Institute of Ceramics, Chinese Academy of Sciences, Shanghai 200050, P. R. China.

[§] State Key laboratory of Advanced Transmission Technology, State Grid Smart Grid Research Institute.

Download English Version:

https://daneshyari.com/en/article/5461431

Download Persian Version:

https://daneshyari.com/article/5461431

Daneshyari.com